

# **PARTS CATALOG**

FOR



## **ELECTRIC GENERATING PLANT**



### **MODEL 205AJ-1EV/6820**



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# **ONAN**

**1400 73RD AVENUE N.E. • MINNEAPOLIS, MINNESOTA 55432**  
A DIVISION OF ONAN CORPORATION

## PARTS CATALOG

This parts catalog applies to *ONAN* Generating Plant, 205AJ-1EV/6820.

Parts are arranged in groups of related items. Each illustrated part is identified by a reference number corresponding to the same reference number in the Parts List for the group. Right and left plant sides are determined by facing the engine end (front) of the plant.

Common hardware items such as screws, washers, nuts, etc., which are available locally are not listed.

### INSTRUCTIONS FOR ORDERING REPAIR PARTS

For parts or service, contact your Nearest *ONAN* Authorized Parts & Service Center.

To avoid errors or delay in filling your parts order, please furnish all information requested.

Always refer to the nameplate on your plant:

1. Always give the **MODEL & SPEC. NO.**  
and **SERIAL NO.**

For handy reference, insert **YOUR** plant nameplate information in the spaces above.

<b>Onan</b>	
<b>ELECTRIC PLANT</b>	
MODEL AND SPEC. NO.	
SERIAL NO.	
<b>IMPORTANT</b> ALWAYS GIVE ABOVE NOS. WHEN ORDERING PARTS	
STDBY. KW	KVA
CONT. KW	KVA
A.C. VOLTS	PH.
A.C. AMPS	P.F.
CY.	RPM
D.C. VOLTS	AMPS
WATTS	
EXCITER	BAT.
GEN. DATA	
MANUFACTURED BY <b>ONAN</b>	
MINNEAPOLIS MINNESOTA, USA FOR ELECT. EQUIPMENT ONLY 99A941	

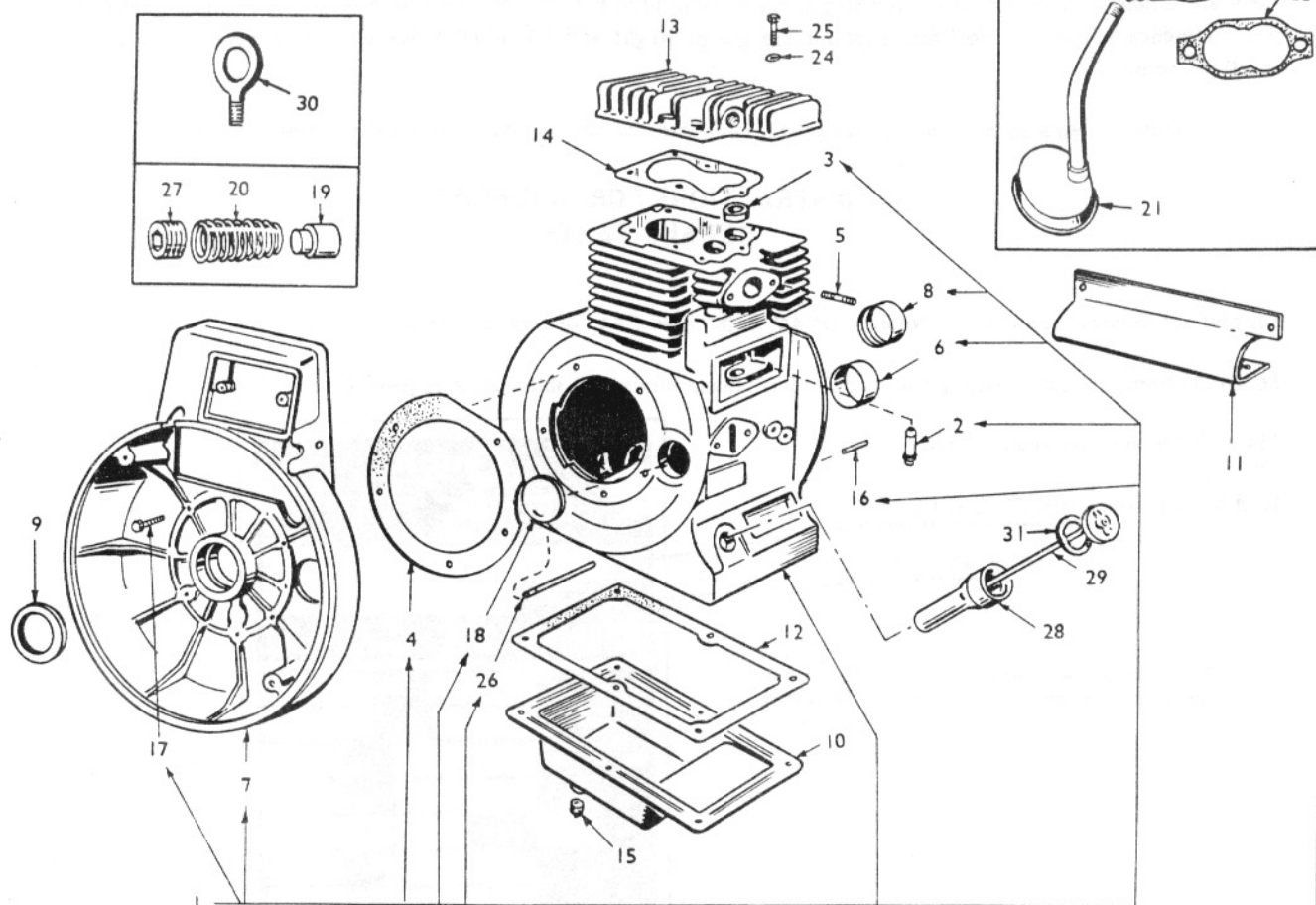
2. Do not order by reference number or group number, always use part number and description.
3. Give the part number, description and quantity needed of each item. If an older part cannot be identified, return the part prepaid to your nearest **ONAN AUTHORIZED PARTS AND SERVICE CENTER**. Print your name and address plainly on the package. Write a letter to the same address stating the reason for returning the part.
4. State definite **shipping** instructions. Any claim for loss or damage to your unit in transit should be filed promptly against the transportation company making the delivery. Shipments are complete unless the packing list indicates items are back ordered.

Prices are purposely omitted from this Parts Catalog due to the confusion resulting from fluctuating costs, import duties, sales taxes, exchange rates, etc.

For current parts prices consult your Onan Dealer, Distributor, or Parts and Service Center.

“En esta lista de partes los precios se omiten de proposito, ya que bastante confusion resulto de fluctuaciones de los precios, derechos aduanales, impuestos de venta, cambios extranjeros etc.

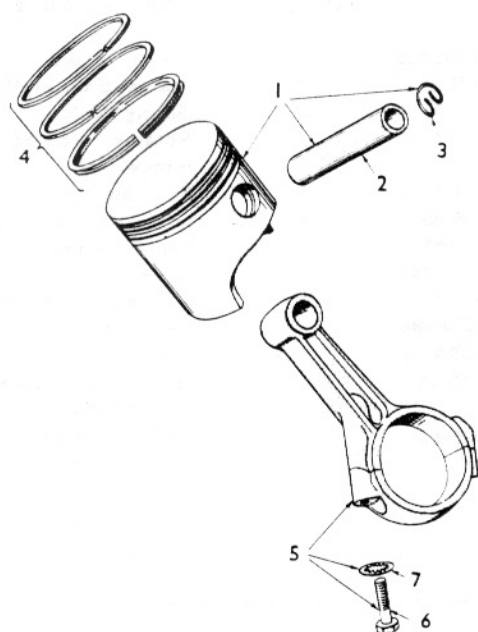
Consiga los precios vigentes de su distribuidor de productos “ONAN”.



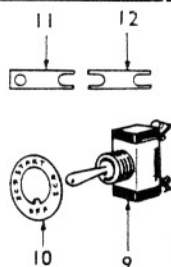
CYLINDER BLOCK, OIL PAN  
AND OIL PUMP GROUP

REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION	REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	110A1678	1	Cyl. Block Assembly	15	505-684	1	Plug, 1/4" Oil Drain
2	110A441	2	Guide, Valve	16	516A12	2	Pin, Dowel - Gear Cover Align
3	110A826	1	Insert, Exh. Valve Seat	17	800-29	5	Screw, Cap - Bearing Plate
4	101K257	1	Gasket Kit, Brg. Plt. to Engine (one .015", two .006")	18	517-48	1	Plug, Expan. Rear Cam.Brg.
5	520A363	2	Stud, Carb. Mtg.	19	120A12	1	Plunger, Oil By-Pass
6	101A367	2	Bearing, Precision	20	120A140	1	Spring, Oil By-Pass Plunger
7	231E141	1	Plate, Generator Adapter, and Rear Brg. (Less Brg.)	21	120A571	1	Cup and Pipe, Oil Pump Intake (Includes Screen)
8	101B290	2	Bearing, Precision Crankshaft (Front or Rear) Specify: Std., .002", .010", .020" or .030" Undersize	22	120A394	1	Pump, Oil
9	509A41	1	Seal, Oil - Crankshaft Rear	23	120K161	1	Gasket Kit, Oil Pump
10	102B627	1	Pan, Oil	24	526A208	7	Washer, Cyl. Head
11	403C865	1	Bracket, Eng. Mtg.	25	SCREW, HARDENED		
12	102B18	1	Gasket, Oil Pan		110A879	4	Cyl. Head (5/16-18 x 1-1/4")
13	110C834	1	Head, Cylinder		110A284	3	Cyl. Head (5/16-18 x 1-1/2")
14	110C836	1	Gasket, Cyl. Hd.		114A22	2	Gear Cover (1/16-18 x 1-1/2")
				26	120A387	1	Tube, Crankcase (Pressed in Block)
				27	505-274	1	Plug, Oil By-Pass (1/8" x 1/4")
				28	123A1066	1	Tube, Oil Fill
				29	123A1052	1	Cap & Indicator, Oil Fill
				30	403A856	1	Bolt, Eye - Lifting
				31	123A191	1	Gasket, Oil Fill Cap

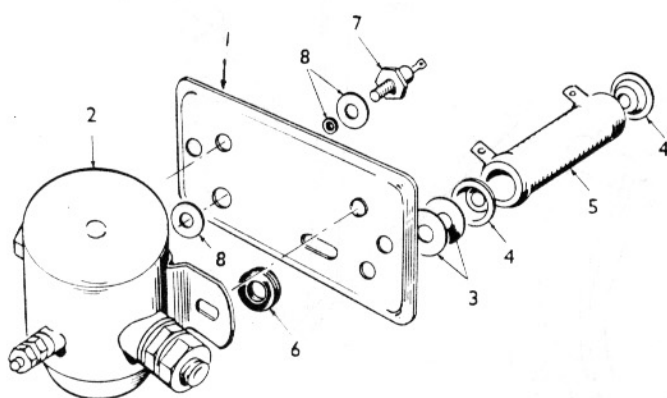
# PISTON AND CONNECTING ROD GROUP



REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	112A74	1	Piston & Pin Assembly - Specify: Std. or .010" .020", .030", .040" Over
2	112A63	1	Pin, Specify Std. or .002" Over
3	112A13	2	Clip, Piston Pin Retaining
4	113-84	1	Ring, Set, Specify Std or .010", .020", .030", .040" Over.
5	114C95	1	Rod, Connecting - Specify Std. or .010", .020", .030" Under
6	114A23	2	Screw, Rod Cap (Hardened)
7	854-14	2	Washer, Lock (I.T.Shakeproof)



## START SOLENOID GROUP



REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	191B708	1	Plate, Solenoid Mtg.
2	307B1031	1	Solenoid, Start (12-V)
3	508-32	AR	Washer, Insulating
4	304A14	2	Washer, Centering
5	353A28	1	Resistor
6	508P114	1	Grommet
7	305A235	1	Rectifier
8	WASHER, INSULATOR		
	508-16	1	5/16" O.D.
	508-17	1	1/2" O.D.
	508-33	1	3/4" O.D.
9	308A140	1	Switch, Ignition
10	308P141	1	Plate, Ign. Switch
11	337A88	1	Strap, Ground
12	337A89	1	Strap, Jumper

This exploded view diagram illustrates the components of a door handle assembly. The parts are numbered as follows:

- 1**: A long vertical screw with a circular head.
- 2**: A shorter vertical screw with a circular head.
- 3**: A coiled spring.
- 4**: A small circular washer or spacer.
- 5**: A small cylindrical component, possibly a pin or a small bush.
- 6**: Two small rectangular spacers or washers.
- 7**: A small cylindrical component, similar to part 5.
- 8**: A rectangular plate with a central rectangular cutout and two small circular holes.
- 9**: A rectangular plate with a central rectangular cutout and a small circular hole.
- 10**: A small cylindrical component, possibly a pin or a small bush.
- 11**: A curved, flexible component, likely a door pull or a decorative element.

The diagram shows the assembly sequence: the curved component (11) is attached to the rectangular plate (8) using the small cylindrical component (10). The rectangular plate (8) is then attached to the rectangular plate (9) using the small cylindrical component (10). The rectangular plate (9) is then attached to the door frame using the long screw (1) and the shorter screw (2). The coiled spring (3) is attached to the rectangular plate (9) using the small cylindrical component (5) and the small rectangular spacers (6). The small cylindrical component (7) is also attached to the rectangular plate (9) using the small rectangular spacers (6).

Fig. 10 is a perspective view of the device. It shows a rectangular plate with a bracket 10 mounted on its surface. A curved member 11 is attached to the bracket. The member 11 is curved upwards and then downwards, ending in a hook-like shape. The bracket 10 is a small, rectangular component with a circular hole in its center. The member 11 is connected to the bracket 10 by a small, cylindrical component. The member 11 is shown in a curved position, indicating its flexibility.

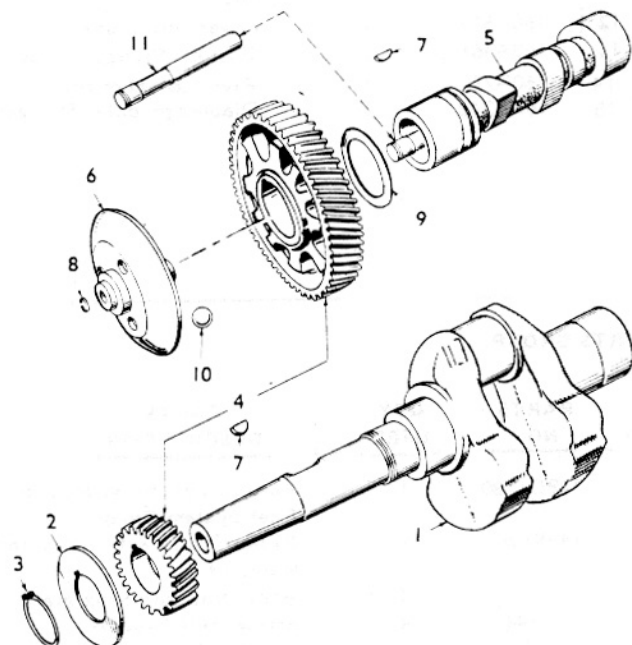


REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	103C320	1	Cover Assembly, Gear-Incl. Parts Marked *
2	516-117	1	*Pin, Roll (3/16 x 13/16") Gov. Cup Stop
3	150A1221	1	*Arm & Shaft, Governor
4	150A177	1	Stud, Gov. Sensitivity Adj.
5	150B1187	1	*Yoke, Gov. Shaft -
6	509-8	1	*Seal, Oil - Gov. Shaft
7	510-8	1	*Bearing, Gov. Shaft-Lower
8	510-13	1	*Bearing, Gov. Shaft - Upper
9	510-14	1	*Ball, Gov. Shaft Thrust
10	150A1224	1	Bracket, Gov. Spring
11	509-12	1	*Seal, Crankshaft Oil, Front

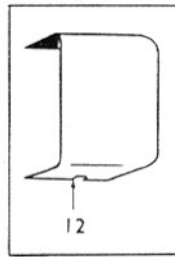
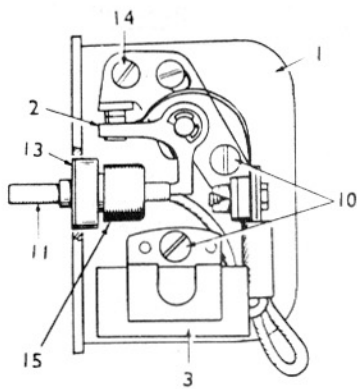
REF. NO.	PART NO.	QTY. USED	PART DESCRIPTIONS
12	150A98	1	Spring, Governor
13	150A213	1	Stud, Gov. Spring Tension Adj.
14	870-131	1	Nut, Gov. Adjusting
15	103B13	1	Gasket, Gear Cover
16	150A786	1	Link, Governor Arm to Carburetor
17	518-4	1	Clip, Gov. Link to Carb.
18	150A974	1	Joint Ball
19	819-1046	2	Screw, Gov. Yoke Mtg.

\* - Parts in Gear Cover Assembly.

### CRANKSHAFT, CAMSHAFT, AND GOVERNOR CUP GROUP

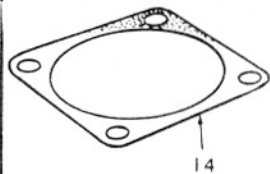
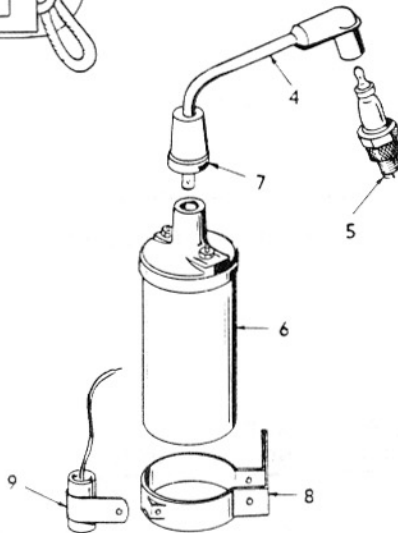


REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	104C689	1	Crankshaft
2	104A50	1	Washer, Crank. Gear
3	518-12	1	Ring, Lock - Crank. Gear Washer
4	105-235	1	Gear Set, Timing (Crank. & Cam.). Cam. Gear Includes Flyball Spacer & Plate -
5	105A300	1	Camshaft and Pin Assy.
6	150B612	1	Cup, Gov.
7	515-1	2	Key, Gear
8	150A78	1	Ring, Lock - Cam.Center Pin
9	105A4	1	Washer, Cam. Thrust
10	510-15	5	Ball, Governor Fly
11	150A75	1	Pin, Camshaft Center

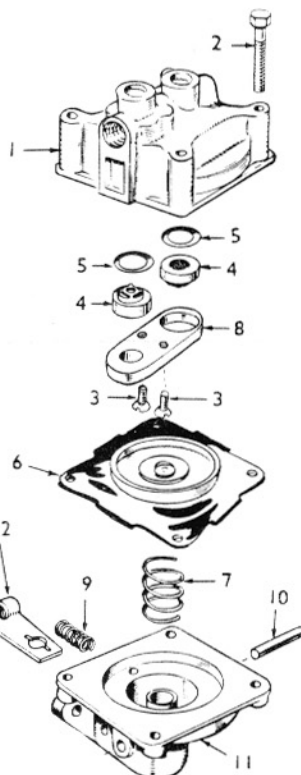


## IGNITION GROUP

REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
	160A555	1	Box Assy., Breaker
2	160A2	1	Point Set
	312A97	1	Condensor
	167A1521	1	Lead, Spark Plug
5	167-234	1	Plug, Spark
6	166P278	1	Coil, Ignition
7	160A558	1	Nipple, Rubber - Ign. Coil
8	160B1045	1	Bracket, Ign. Coil Mtg.
9	312A58	1	Condenser., Suppression
10	518-49	3	Screw, Points & Cond.Mtg.
11	160A553	1	Plunger & Guide Assy., Brkr.
12	160A551	1	Cover, Brkr. Box
13	160A461	1	Gasket, Plunger Guide
14	160A75	1	Pivot, Breaker Arm
15	160A263	1	Diaphragm only, Plunger

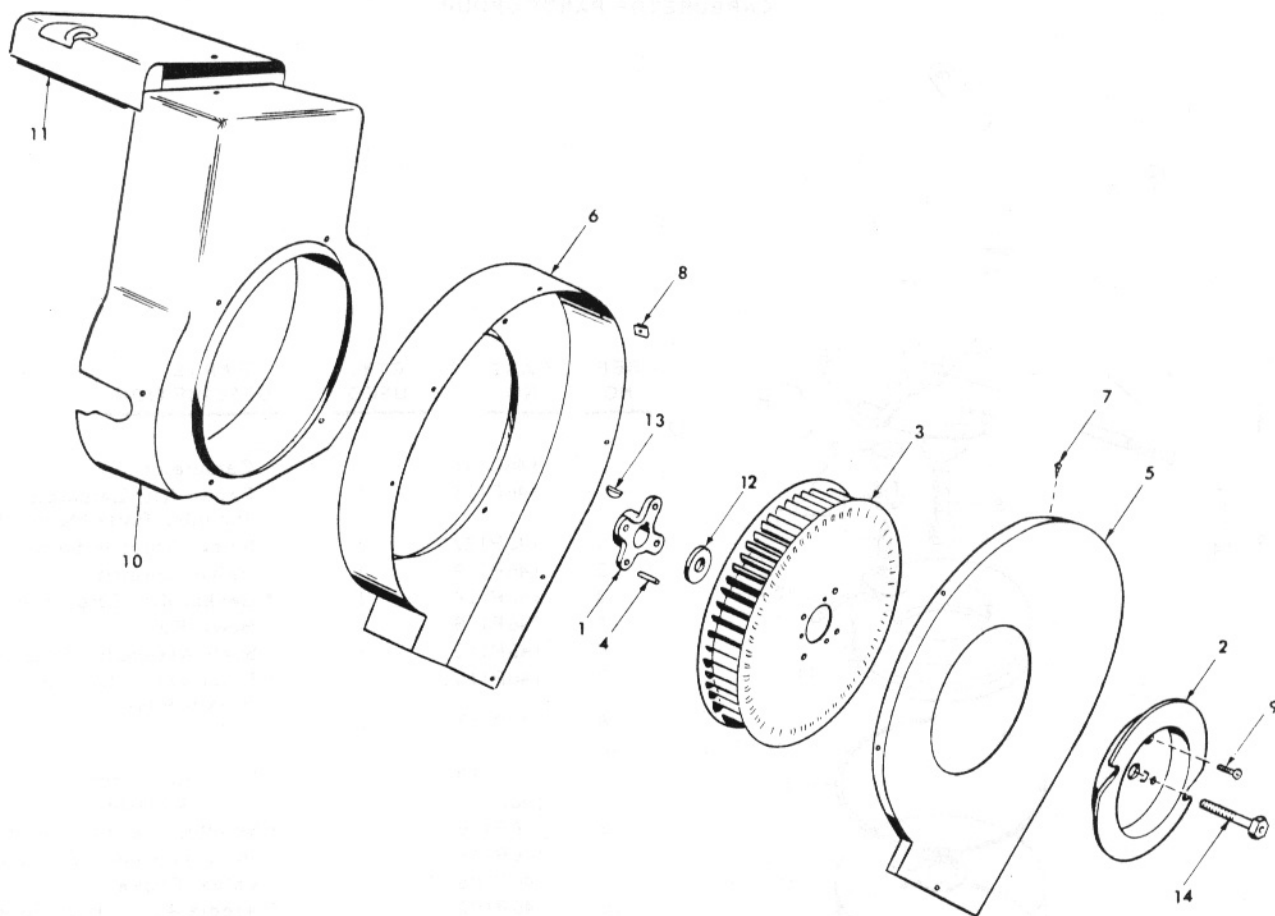


## FUEL PUMP PARTS GROUP



REF. NO.	PARTS NO.	QTY. USED	PARTS DESCRIPTION
	149D1180	1	Pump, Fuel (Illustrated in Fuel System Group)
	149K526	1	Repair Parts Kit, Incls. parts Marked *
1		1	Body, Not Sold Separately
2	815-148	4	Screw, Self Tapping (#8-32 x 7/8")
3	815-147	2	Screw, Phillips Self Tapping (#6-32 x 5/8") Valve Retainer
4	149-96	2	*Valve and Cage.
5	149A95	2	*Gasket, Valve
6	149A582	1	*Diaphragm Assembly.
7	149A672	1	*Spring
8	149A539	1	Retainer, Valve Cage
9	149A675	1	*Spring
10	516A113	1	Pin, Rocker Arm
11		1	Body, Not Sold Separately
12	149-710	1	Link and Arm, Rocker (only as a set)
13	149A3	1	*Gasket, Pump Mounting
14	149A858	1	*Gasket, Diaphragm - Lower Side

\* Parts in Repair Kit

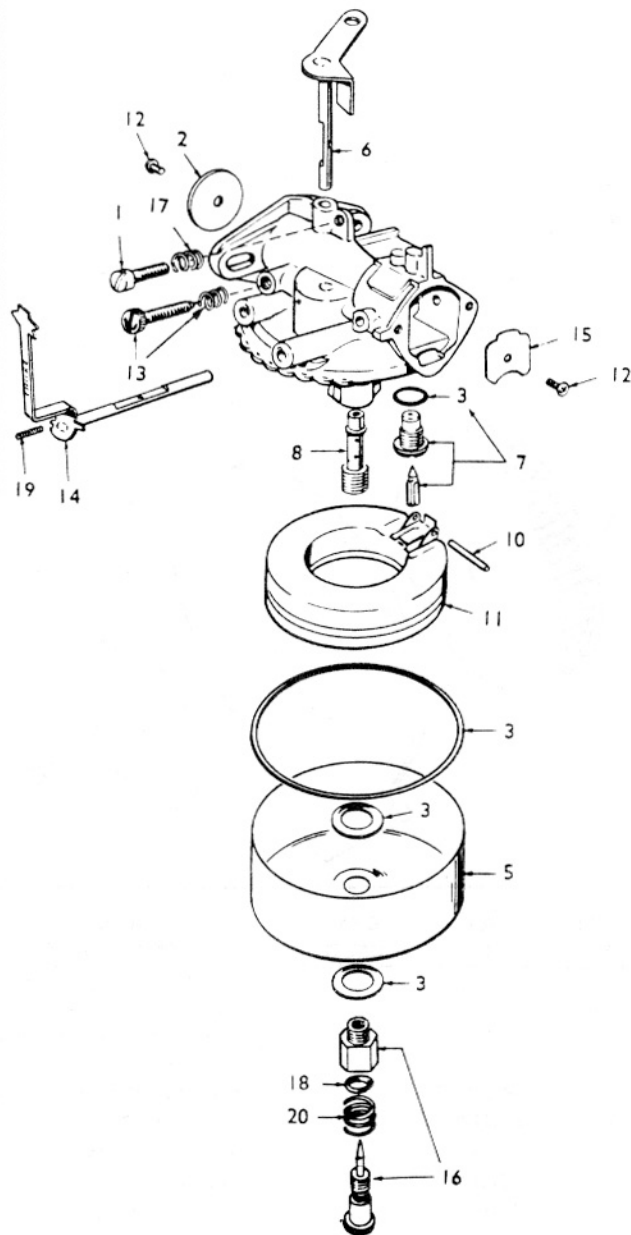


REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
1	134C1913	1	Hub
2	192B370	1	Sheave, Rope
3	134A1924	1	Wheel, Blower
4	516-91	2	Pin, Groove - Sheave and Blower Wheel-to-Flywheel
5	134D1923	1	Scroll, Air - Front
6	134D1902	1	Scroll, Air - Rear
7	809-43	8	Screw, Sheet Metal - #10 x 3/8" Scroll

REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
8	870-120	8	Nut, Speed - J-Type
9	912-150	2	Screw, Round Head, (1/4-20 x 5/8") Sheave and Blower
10	134D1907	1	Housing, Blower
11	134D1904	1	Shroud, Cyl. Air
12	526-141	1	Washer, Hub Mtg.
13	515A113	1	Key, Hub
14	104A690	1	Screw, Hub Mtg.



# CARBURETOR PARTS GROUP



REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
	146C138	1	Carburetor
	146P123	1	Repair Kit, Carburetor - Includes Parts Marked *
1	146P122	1	Screw, Throttle Stop
2	146P119	1	Valve, Throttle
3	146P124	1	* Gasket Kit, Carburetor
5	146P118	1	Bowl, Fuel
6	146P112	1	Shaft Assembly, Throttle
7	146P115	1	* Float Valve, Seat, and Gasket Assy.
8	146P113	1	Nozzle
10	146P111	1	* Shaft, Float
11	146P110	1	Float Assembly
12	146P109	2	Screw & Washer
13	146P116	1	* Needle, Idle (Incl. Spring)
14	146P139	1	Shaft Assembly, Choke
15	146P105	1	Valve, Choke
16	146P102	1	* Needle Assy., High Speed
17	146P121	1	Sprg., Throttle Stop Screw
18	146P120	1	Seal, "O" Ring - High Speed Needle
19	146P114	1	Spring, Choke Stop
20	146P117	1	Spring, High Speed Needle

\* Parts Included in Repair Kit (146P123)



This technical drawing is an exploded view of a mechanical assembly, likely a pump or motor component. The parts are numbered 1 through 21. The main assembly consists of a large cylindrical housing (1) with a central shaft (15). A large, ribbed, bell-shaped component (3) is mounted on the right end of the shaft. A long, thin rod (17) is positioned below the main assembly. To the left of the main assembly, there is a complex component (5) with a central opening and several mounting points. A small, curved, ribbed component (2) is positioned above the main assembly. A small, rectangular component (9) is positioned to the left of the main assembly. A small, cylindrical component (4) is positioned to the left of the main assembly. A small, cylindrical component (10) is positioned to the left of the main assembly. A small, cylindrical component (11) is positioned to the left of the main assembly. A small, cylindrical component (12) is positioned to the left of the main assembly. A small, cylindrical component (13) is positioned to the left of the main assembly. A small, cylindrical component (14) is positioned to the left of the main assembly. A small, cylindrical component (16) is positioned to the left of the main assembly. A small, cylindrical component (18) is positioned to the left of the main assembly. A small, cylindrical component (19) is positioned to the left of the main assembly. A small, cylindrical component (20) is positioned to the left of the main assembly. A small, cylindrical component (21) is positioned to the left of the main assembly.

REF. NO.	PART NO.	QTY. USED	PARTS DESCRIPTION
9	221C156	2	Shoe, Pole
10	232A596	1	Clip, Bearing
11	330A68	1	Box, Outlet
12	330-16	1	Cover, Receptacle
13	323-184	1	Receptacle, Outlet
14	508P148	1	Grommet, Outlet Box
15	520A698	1	Stud, Armature Through
16	312A180	2	Condenser, AC (0.1 Mfd.)
17	520-351	2	Stud, Generator Frame-to-Engine
18	403C864	1	Support, Gen. Mtg.
19	203A148	1	Commutator (DC)
20	204A9	1	Collector Ring (AC)
21	520A1703	1	Stud, Gen. Mtg. Support